

File 94:JICST-EPlus 1985-2003/Sep W1  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jul  
 File 95:TEME-Technology & Management 1989-2003/Aug W4  
 File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Sep 05  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 File 8:EI Compendex(R) 1970-2003/Aug W5  
 File 65:Inside Conferences 1993-2003/Sep W1  
 File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02  
 File 474:New York Times Abs 1969-2003/Sep 08  
 File 475:Wall Street Journal Abs 1973-2003/Sep 08

Set	Items	Description
S1	76224	<b>INFLAT?</b>
S2	687633	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	37163	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPIECE? ? OR (NOSE OR HEAD OR END)()PIECE? ?
S4	623	TOP() (PART? ? OR SECTION? ?)
S5	56930	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- )() (PART? ? OR PIECE? ?) OR QUEU? ? OR REAR? ? OR TAILPIECE? ?
S6	22433	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	399953	<b>TOY OR TOYS OR PLAYTHING? ? OR PLAY???</b>
S8	39252	<b>ROCKET? ?</b>
S9	165	S3:S4 AND S5:S6
S10	92	S1(3N)S7:S8
S11	0	S9 AND S10

File 9:Business & Industry(R) Jul/1994-2003/Sep 08  
 File 141:Readers Guide 1983-2003/Jul  
 File 481:DELPHES Eur Bus 95-2003/Aug W5  
 File 482:Newsweek 2000-2003/Aug 13  
 File 484:Periodical Abs Plustext 1986-2003/Aug W5  
 File 635:Business Dateline(R) 1985-2003/Sep 06  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Sep 08  
 File 646:Consumer Reports 1982-2003/Aug  
 File 609:Bridge World Markets 2000-2001/Oct 01  
 File 610:Business Wire 1999-2003/Sep 09  
 File 613:PR Newswire 1999-2003/Sep 09  
 File 810:Business Wire 1986-1999/Feb 28  
 File 813:PR Newswire 1987-1999/Apr 30  
 File 20:Dialog Global Reporter 1997-2003/Sep 09

S1	686110	<b>INFLAT?</b>
S2	6034137	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	571856	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPIECE? ? OR (NOSE OR HEAD OR END)()PIECE? ?
S4	4894	TOP() (PART? ? OR SECTION? ?)
S5	355409	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- )() (PART? ? OR PIECE? ?) OR QUEU? ? OR REAR? ? OR TAILPIECE? ?
S6	90445	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	4931475	<b>TOY OR TOYS OR PLAYTHING? ? OR PLAY???</b>
S8	171146	<b>ROCKET? ?</b>
S9	425	S1()S7:S8
S10	23	S2 (S)S9
S11	2592	S3:S4(S)S5:S6
S12	0	S10(S)S11
<b>S13</b>	<b>1</b>	<b>S9(S)S11</b>
S14	18	S2(S)S11(S)S1

Serial 09/967091

September 9, 2003

S15           5    S7:S8 AND S14  
**S16**           2    **RD (unique items) [not relevant]**  
S17           13    S14 NOT S15  
S18           11    RD (unique items)  
**S19**           11    **Sort S18/ALL/PD,D [not relevant]**

13/3,K/1       (Item 1 from file: 9)

DIALOG(R)File   9:Business &amp; Industry(R)

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1992488   Supplier Number: 01992488       (THIS IS THE FULLTEXT)

Licenses Recently Granted By Sony Signatures (Sony Signatures recently granted  
rights to its Godzilla property to numerous firms)

TLL The Licensing Letter International Supplement, p 3

November 1997

WORD COUNT: 244

TEXT:

Sony Signatures has granted licenses to its "Godzilla"

property to the following:

Granted To

Products Manufactured

...

**Toy Biz**

Radio-controlled **toys**,  
**inflatable toys** ,  
colorforms, ...worldwide  
excluding Japan)...

Copyright 1997 EPM Communications

Serial 09/967091

September 9, 2003

File 16:Gale Group PROMT(R) 1990-2003/Sep 08

File 160:Gale Group PROMT(R) 1972-1989

File 148:Gale Group Trade &amp; Industry DB 1976-2003/Sep 09

File 47:Gale Group Magazine DB(TM) 1959-2003/Aug 28

File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/Sep 08

File 621:Gale Group New Prod.Annou.(R) 1985-2003/Sep 09

File 649:Gale Group Newswire ASAP(TM) 2003/Sep 05

Set	Items	Description
S1	362266	<b>INFLAT?</b>
S2	4136743	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	364594	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPiece? ? OR (NOSE OR HEAD OR END)()PIECE? ?
S4	2344	TOP() (PART? ? OR SECTION? ?)
S5	236955	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- )() (PART? ? OR PIECE? ?) OR QUEUE? ? OR REAR? ? OR TAILPIECE? ?
S6	81200	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	2670849	<b>TOY</b> OR <b>TOYS</b> OR PLAYTHING? ? OR PLAY???
S8	122677	<b>ROCKET? ?</b>
S9	58304	PC=394
S10	205	PC=3732004 ( <b>INFLATABLE</b> BOATS)
S11	18	PC=3079996 (PLASTIC <b>INFLATABLE</b> BAGS)
S12	1820	S3:S4(S)S5:S6
S13	168	S2(S)S12
S14	7	S1(S)S13
S15	4	S7:S11 AND S14
S16	2	RD (unique items)
S17	24	S12(S)S1
S18	5	S17(S)S7:S8
<b>S19</b>	1	<b>S17 AND S9:S11</b>
<b>S20</b>	2	<b>S18 NOT (S19 OR S15)</b>

19/3,AB,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade &amp; Industry DB

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08573204 SUPPLIER NUMBER: 18156725 (USE FORMAT 7 OR 9 FOR FULL TEXT)

More diversity across the boards.(Snowboard Gear)

North, Mark

STN, v20, n6, p37(7)

March, 1996

ISSN: 1061-4524 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8467 LINE COUNT: 00663

ABSTRACT: A wide variety of snowboard hardgoods are on offer for the 1996-97 skiing season. Snowboards, boots and bindings come in women's and children's models, and more step-in soft boot/binding systems have been introduced. Comfort and performance remain the key features of the season's offerings, from anatomically designed bindings and different sizings to snowboards that are more durable and are suitable for all riding styles. An overview of new snowboard offerings from ski equipment manufacturers is presented.

... its line by 200 percent. The high-end freestyle Trick series features interchangeable tip and tail systems, which allows the rider to switch from the shorter halfpipe-oriented tip and tail to a longer powder nose and tail in minutes. Trick size designations include lengths with both setups: T1 (141/151), T2 (147/157), and T3 (154/164). The Trick series utilizes Killer Loop's Fiber Tube cap, with a core built from **inflated** fiberglass tubes combined with vertically laminated wood core stringers.

Fiber Tube construction is also found...

PRODUCT/INDUSTRY NAMES: 3949560 (Winter Sports Equipment)

20/3,AB,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.  
09094480 SUPPLIER NUMBER: 18771149 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Tips: getting the most out of InterBev96. (includes related schedule, list  
of exhibitors, and map)(InterBev96: Preview Pullout)  
Sfiligoj, Eric  
Beverage World, v115, n1623, p115(10)  
Sep, 1996  
ISSN: 0098-2318 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3985 LINE COUNT: 00547  
ABSTRACT: Preplanning for InterBev96 on Nov. 18-20, 1996, at the George R.  
Brown Convention Center in Houston, TX, can make a visit to this conference  
more productive. A pre-show checklist can keep you on target, despite  
last-minute distractions. It should include a list of exhibitors which you  
want to visit and informational sessions which you wish to attend.  
Individual managers can focus on their specialties if the entire management  
team attends.  
... 628 Boelter Companies, The 2568 Bolidt Synthetic Products & Systems  
2819 Booth/Crystol Tips 560 Bottle Cap Refrigerator Mognet Company 1477  
Boulder Blimp Co. SkyRider Airships 2634 Boylan Battling Company, Inc.  
2742...Company 2807 Chlorinators Inc. 2720 C.H. Robinson Company 570  
Cipriani Inc.-Tassalini 209 Clarion Rear Vision Systems 237 Clawson  
Container Company 3217 Clear Choice Marketing 676 Clearly Canadian  
Beverage Corp...  
...Int'l Society of Beverage Technologists 870 INTEC Video Systems Inc.  
2632 Intellution 2660 Interactive **Inflatables** 700 InterBev98 Sales  
Booth InterHealth Company 3320 International Bottled Water Association  
3602 International Carbonic Inc...Riverside Manufacturing Company 1156  
Riverwood International 1333 Raudnet Technologies Inc. 2103 Roadshow  
International Inc. 2506 **Rocket** Man Inc. 2369 RoofTop Balloons 564 Royel  
Crown Colo Company, Inc. 1449 Royal Vendors Inc...  
...3343 S.J. Controls Inc..505 S.J. Industries Inc. 1452 Skywire 2112  
Small Wonder **Inflatables** Inc. 3331 Smurfit Flexible Packaging 2468 Sonic  
Air Systems Inc. 3425 South Beach Beverage Company...

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200357

File 347:JAPIO Oct 1976-2003/May(Updated 030902)

File 371:French Patents 1961-2002/BOPI 200209

File 344:Chinese Patents Abs Aug 1985-2003/Mar

Set	Items	Description
S1	52491	<b>INFLAT?</b>
S2	818082	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	190641	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPiece? ? OR (NOSE OR HEAD OR END) () PIECE? ?
S4	32889	TOP() (PART? ? OR SECTION? ?)
S5	600543	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- ) () (PART? ? OR PIECE? ?) OR QUEU? ? OR REAR? ? OR TAILPIECE? ?
S6	47094	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	168378	<b>TOY OR TOYS OR PLAYTHING? ? OR PLAY???</b>
S8	11162	<b>ROCKET? ?</b>
S9	350	IC=A63H-003/06
S10	2008	AIR() FILLED
S11	12395	S3:S4 AND S5:S6
S12	66	(S1 OR S10) AND S11
<b>S13</b>	<b>2</b>	<b>S9 AND S12 [not relevant]</b>
S14	0	(S7:S8 AND S12) NOT S13
S15	8	S2 AND S12
<b>S16</b>	<b>7</b>	<b>S15 NOT S13</b>
S17	31491	IC=A63H
S18	2	S12 AND S17
S19	0	S18 NOT S13
S20	200	(S1 OR S10) (2W) S7:S8
S21	111	S17 AND S20
S22	1	S11 AND S21
S23	0	S22 NOT S13
S24	1	S21 AND S8
<b>S25</b>	<b>1</b>	<b>S24 NOT S13</b>
S26	1	S12 AND S21
<b>S27</b>	<b>1</b>	<b>S26 NOT S25 [a duplicate]</b>

16/26,TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003372458

WPI Acc No: 1982-N0492E/198240

Helicopter mounted canister launching device - has bag **inflated** behind  
canister in tube after plug has been released at discharge end

16/7,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007071157

WPI Acc No: 1987-071154/198710

Equipment for mfr. of rubber sheaths e.g. marine fenders, etc. - uses  
**inflatable** chamber mounted by end pieces on shaft, with casings to  
form head-ends prior to moulding

Patent Assignee: ZHELTYSHEV YU G (ZHEL-I)

Inventor: GOLOBACHEV A I; SHEBOLDASO V K; SHELTYSHYEV Y U G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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SU 1243956 A 19860715 SU 3853535 A 19850205 198710 B  
Priority Applications (No Type Date): SU 3853535 A 19850205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1243956	A		3		

Abstract (Basic): SU 1243956 A

The mandrel is made in the form of an **inflatable** elastic chamber (1) with clutch connections (6) to mount it on a longitudinal shaft (5), plus separable press-mould, with means for shaping the heads of the sheath. The clutch-connections (6) are positioned on the shaft so that have free axial movement. The means for forming the heads of the sheath is made as casings, with flared ends facing towards the end-part of the press-mould. The casings are composed of an assembly of segments having supporting tail - pieces which act with the end parts of the press-mould.

USE/ADVANTAGE - In the rubber-engineering industry, e.g. for the mfr. of large-size rubberised-cord sheaths, with their ends elongated by heads, such as pneumatic rollers and marine fenders, etc. Bul. 26/15.7.86 (3pp Dwg.No.1/3)

Derwent Class: A32

International Patent Class (Additional): B29C-033/50; B29C-035/04;  
B29D-022/00

25/7,K/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

007796735 \*\*Image available\*\*

WPI Acc No: 1989-061847/198909

**Convertible toy and recliner - consists of mattress with various accessories in shape of vehicle parts fixed to it**

Patent Assignee: WANG T T H (WANG-I)

Inventor: WANG T T H

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3726554	A	19890223	DE 3726554	A	19870810	198909 B
GB 2208794	A	19890419	GB 8719740	A	19870820	198916
US 4888837	A	19891226	US 8784234	A	19870811	199008

Priority Applications (No Type Date): DE 3726554 A 19870810; GB 8719740 A 19870820; US 8784234 A 19870811

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3726554	A		5		
US 4888837	A		6		

Abstract (Basic): DE 3726554 A

The recliner is convertible into a **toy** and consist of a mattress (1) and various **inflatable** accessories (2-8). The mattress (1) and the accessories (2-8) have attachments (1A,2A -8A) for assembling them together with the mattress (1).

The accessories (2-8) are made of flexible, elastic material, and may be designed as parts of an aircraft or vehicle.

USE/ADVANTAGE - The accessories can be assembled in any order to make any design of recliner surface.

Abstract (Equivalent): US 4888837 A

The **toy** bed transformer includes a mattress and various **inflatable toy** accessories having shapes, such as, an airplane nose, an

airplane wing, a cockpit, a **rocket**, a missile, a tyre, a propeller, and a jet engine.

The mattress and the **inflatable toy** accessories have attaching bands and can be attached together by the attaching bands to form different objects mimicking for example, a car, an aircraft, and a tank, according to a child's own imaginative ideas.

ADVANTAGE - Facilitates cultivating the child's imagination about science

Derwent Class: P26; P36

International Patent Class (Additional): A47C-021/00; A47C-031/00;  
A47D-007/00; A47D-013/00; A47D-015/00; A63H-033/08

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200357

File 347:JAPIO Oct 1976-2003/May(Updated 030902)

File 371:French Patents 1961-2002/BOPI 200209

File 344:Chinese Patents Abs Aug 1985-2003/Mar

Set	Items	Description
S1	52491	<b>INFLAT?</b>
S2	818082	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	190641	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPiece? ? OR (NOSE OR HEAD OR END) ()PIECE? ?
S4	32889	TOP() (PART? ? OR SECTION? ?)
S5	600543	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- ) () (PART? ? OR PIECE? ?) OR QUEU? ? OR REAR? ? OR TAILPIECE? ?
S6	47094	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	168378	<b>TOY OR TOYS</b> OR PLAYTHING? ? OR PLAY???
S8	11162	<b>ROCKET?</b> ?
S9	2008	AIR() FILLED
S10	0	IC=A63GDS
S11	194	(S1 OR S10) (2W) S7:S8
S12	200	(S1 OR S9) (2W) S7:S8
S13	6	S12 AND S3:S4
S14	13	S12 AND S5:S6
S15	18	S13:S14
S16	31491	IC=A63H
<b>S17</b>	<b>9</b>	<b>S15 AND S16</b>
<b>S18</b>	<b>9</b>	<b>S15 NOT S17</b>

17/26, TI/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014659773

WPI Acc No: 2002-480477/200251

**Inflatable toy** for mounting to top button of hat or cap without causing deformation, includes **inflated** bag, air discharge unit, blower and body with connection unit formed at one side of body

17/26, TI/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014072467

WPI Acc No: 2001-556680/200162

Unit attachable to tank of pressurized gas for tying knot in neck portion of balloon and tying a ribbon to the balloon has bracket around which neck of balloon is stretched to encompass ribbon passing through holes in bracket

17/26, TI/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013415812

WPI Acc No: 2000-587750/200056

Ride-on bouncer **toys** and covers has **inflatable** bladder with **inflation** port fitted to a plug and the covering of the body with stuffed neck and head

17/26, TI/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011000463

WPI Acc No: 1996-497412/199649

Balloon handle and **inflator** used as **toy** for children and as advertising device - comprises tube passed through neck and attached to opposite end of balloon, balloon **inflated** by blowing through handle having holes and being sealed by cap

17/26, TI/7 (Item 7 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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004362751

WPI Acc No: 1985-189629/198531

**Inflatable** bag target **toy** - has aperture to receive and retain ball protected at it

17/26, TI/8 (Item 8 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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003053435

WPI Acc No: 1981-F3468D/198123

**Inflatable** three-dimensional action **toy** - comprises opaque back panel with transparent front and intermediate panels with images printed on them

17/26, TI/9 (Item 9 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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003002318

WPI Acc No: 1981-A2318D/198102

**Inflatable** **toy** carrying vehicle - has chassis mounted on wheels and apertured to form windows for **inflatable** animals

17/7, K/5 (Item 5 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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011154486 \*\*Image available\*\*

WPI Acc No: 1997-132410/199712

**Adjustable inflatable water toy** - has elongate tubular body with head portion and tail portion, and aperture through head portion dimensioned to slidably receive tail portion

Patent Assignee: SEVYLOR USA INC (SEVY-N)

Inventor: KLIMENKO K

Number of Countries: 021 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9703741	A1	19970206	WO 96US12060	A	19960722	199712 B
US 5618218	A	19970408	US 95505156	A	19950721	199720
AU 9665066	A	19970218	AU 9665066	A	19960722	199723

Priority Applications (No Type Date): US 95505156 A 19950721

Cited Patents: US 1833697; US 1916527; US 3994102; US 4529390

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9703741 A1 E 13 A63H-027/10

Designated States (National): AU CA JP

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 5618218 A 5 A63H-027/10

AU 9665066 A A63H-027/10 Based on patent WO 9703741

Abstract (Basic): WO 9703741 A

The **inflatable** water **toy** (10), has an elongate tubular body (16). An aperture (18) is provided through a first end (12) of the tubular body, and the aperture (18) is dimensioned to slidably receive the second end (14) of the tubular body through it.

Advancing the second end (14) of the tubular body (16) through the aperture (18) forms a continuous loop, which may be continuously adjusted such as by cinching to adjust the loop to any of a wide variety of loop dia,, such as for positioning about the waist of a user.

ADVANTAGE - May be interlinked with other **toys**, and can be adjusted to fit a wide variety of users.

Dwg.1/3

Abstract (Equivalent): US 5618218 A

An **inflatable** water **toy** , comprising:

an elongate tubular body which tapers from a larger diameter near a first end thereof to a smaller diameter near a second end thereof;

a head portion on the first end of the body;

a tail portion on the second end of the body; and

an aperture through the head portion of the body, said aperture dimensioned to slidably receive the tail portion therethrough, and wherein the tubular body is configured to be formed into a loop when the second end is inserted through the aperture, and wherein the diameter of the loop is continuously adjustable throughout a range of diameters.

Dwg.1,2/3

Derwent Class: P36; Q24

International Patent Class (Main): A63H-027/10

International Patent Class (Additional): B63C-009/08

18/26, TI/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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014497253

WPI Acc No: 2002-317956/200236

Air valve for **inflatable** device e.g. for life buoy, **inflatable toy** or furniture has flap which pivots to open and close air passage through block and has raised finger rod for holding when moving flap

18/26, TI/4 (Item 4 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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012589450

WPI Acc No: 1999-395556/199934

Hollow covering adapted to cover an **inflatable toy** to form a bouncing **toy** saddle

18/26, TI/5 (Item 5 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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009556011

WPI Acc No: 1993-249558/199331

**Inflator** device for air pump - comprises plastics bag which user presses to force air into **inflatable** object, with bag fitted to tubular body with one-way air valve

18/26, TI/6 (Item 6 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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007394440  
WPI Acc No: 1988-028375/198804  
**Toy** for playing games in swimming pool - with series of rings fixed to opposite sides of **inflatable toy** animal

18/7, K/1 (Item 1 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.  
014816639  
WPI Acc No: 2002-637345/200269  
**Inflated rocket** -type bird  
Patent Assignee: YANG K (YANG-I)  
Inventor: YANG K  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
CN 1359826 A 20020724 CN 2001143251 A 20011221 200269 B  
Priority Applications (No Type Date): CN 2001143251 A 20011221  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
CN 1359826 A B64B-001/00  
Abstract (Basic): CN 1359826 A  
NOVELTY - A gas-filled **rocket**-type bird is composed of a **rocket**-shaped main body with conic front end and cylindrical main part, a pair of movable wings hinged to front part of said cylindrical main part, a flyer carrier fixed to bottom of said cylindrical main part between two movable wings, and a pair of tail wings. It is characterized by that said main body is filled with gas, and said movable wings can wave up and down under the manipulation of flyer.  
DwgNo 0/0  
Derwent Class: Q25  
International Patent Class (Main): B64B-001/00  
International Patent Class (Additional): B64C-033/00

18/7, K/3 (Item 3 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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013360209 \*\*Image available\*\*  
WPI Acc No: 2000-532148/200048  
**Inflatable flying toy**  
Patent Assignee: CHEN D (CHEN-I)  
Inventor: CHEN D  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 6105903 A 20000822 US 98177624 A 19981023 200048 B  
Priority Applications (No Type Date): TW 98U204095 U 19980320  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 6105903 A 13 B64C-031/06  
Abstract (Basic): US 6105903 A  
NOVELTY - An **inflatable flying toy** made of plastic membrane.

The flying **toy** is formed with several **inflatable** air passages communicated with each other. After **inflated**, the air passages are expanded to serve as a support frame for stretching and supporting the flying **toy** into a kite form. At predetermined positions of the air passages are disposed latch holes or wing holes connecting with a hook injection member or tied with a pull string. The hook injection member can be hooked with a catapult which is able to resiliently inject the flying **toy** as a glider. A pull string can be tied with the flying **toy** to control the flying or floating direction of the kite by pulling.

USE - **Inflatable** flying **toy** .

DESCRIPTION OF DRAWING(S) - A perspective assembled view.

transverse air passages (11)

wing holes (13)

latch cap (211)

a buckle (23)

pp; 13 DwgNo 1/9

Derwent Class: Q25

International Patent Class (Main): B64C-031/06

18/7,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003375776

WPI Acc No: 1982-N3811E/198241

**Child's toy simulating horse or car - has inflatable cylindrical body with horse's head and tail or steering wheel assembly**

Patent Assignee: SHELCORE INC (SHEL-N)

Inventor: GREENBERG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2096007	A	19821013				198241 B

Priority Applications (No Type Date): US 81250625 A 19810402

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2096007	A	7		

Abstract (Basic): GB 2096007 A

The **inflatable**, bounceable, ride-on **toy** for young children comprises an **inflatable** body of soft, limp, plastics. The body simulates a horse or a car, and has a bottom portion resting on a support surface.

It has an elongated child supporting portion, to be elevated on **inflation** of the **toy** above the bottom portion to a distance such that a child can be seated with his knees bent and his feet touching the support surface. There is a front portion having a child grasping member, attached to the child supporting portion.

1/6

Derwent Class: P36

International Patent Class (Additional): A63G-019/00

18/7,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001523540

WPI Acc No: 1976-J6476X/197639

**Tail-less inflatable kite toy - has rounded leading edge and tear**

drop shape with web between  
Patent Assignee: VONCO PROD INC (VONC-N)  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3980260	A	19760914				197639 B
CA 1042411	A	19781114				197848

Priority Applications (No Type Date): US 74509491 A 19740926; US 73347879 A 19730404

Abstract (Basic): US 3980260 A

The **inflatable** kite exhibits excellent lift and stability characteristics without an auxiliary tail and comprises an **inflatable** body member provided with a rounded leading edge and with a teardrop shape. Two **inflatable** opposing rearwardly projecting side members are attached to the body member and together form a single **inflated** volume. A web of flexible sheet material is connected between each side member and the body member and extending over at least about 50% of the area defined by the body member. The side member and a straight line join the rear extremities of the body member and the side member. A line attachment member is bonded to the body member. The ratio of the max. width to the length of the **inflated** kite is about 0.5 to 1.5.

Derwent Class: Q25

International Patent Class (Additional): B64C-031/06

File 348:EUROPEAN PATENTS 1978-2003/Aug W05

File 349:PCT FULLTEXT 1979-2002/UB=20030904,UT=20030828

Set	Items	Description
S1	29384	<b>INFLAT?</b>
S2	669168	LONG OR ELONGAT? OR OBLONG OR ELLIPTICAL
S3	105428	CAP OR CAPS OR NOSEPIECE? ? OR HEADPIECE? ? OR ENDPiece? ? OR (NOSE OR HEAD OR END)()PIECE? ?
S4	12036	TOP() (PART? ? OR SECTION? ?)
S5	218951	TAIL? ? OR AFTERPART? ? OR AFTERPIECE? ? OR (AFTER OR TAIL- )() (PART? ? OR PIECE? ?) OR QUEU? ? OR REAR? ? OR TAILPIECE? ?
S6	28501	STREAMER? ? OR RIBBON? ? OR BRAID? ?
S7	128321	<b>TOY OR TOYS OR PLAYTHING? ? OR PLAY???</b>
S8	3234	<b>ROCKET? ?</b>
S9	2201	AIR() FILLED
S10	3224	IC=A63H
S11	67	(S1 OR S9) (2W) S7:S8
S12	3	S11(S) S3:S4
S13	4	S11(S) S5:S6
<b>S14</b>	<b>4</b>	<b>S12:S13 AND S10</b>
<b>S15</b>	<b>3</b>	<b>S12:S13 NOT S14 [not relevant]</b>
S16	3189	(S1 OR S9) (S) S3:S6
S17	31	S16 AND S10
<b>S18</b>	<b>27</b>	<b>S17 NOT S14:S15</b>

14/3,AB,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01300592

Interconnecting inflatable play structure

Miteinander verbindbare aufblasbare Spielstrukturen

Structures de jeu gonflables interconnectees

PATENT ASSIGNEE:

Intex Recreation Corp., (3055260), 4130 Santa Fe Avenue, Long Beach, CA  
90801, (US), (Applicant designated States: all)

INVENTOR:

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Chin-Hsiang Pan, 259-4 Fu Hsin Rd. Chung Ho, Taipei Hsien, (TW)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1114662 A2 010711 (Basic)

APPLICATION (CC, No, Date): EP 2000202388 000707;

PRIORITY (CC, No, Date): US 479804 000108

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A63H-033/00 ; A63H-033/04

ABSTRACT EP 1114662 A2

An inflatable play structure for use by a child comprises at least one inflatable house defining a cavity sufficiently large to accommodate the child and an inflatable tunnel detachably attached to the house. The house includes two side walls and front and rear walls which are connected together to form a continuous wall and support tubes placed at each corner of the two side walls and front and rear walls. One of the

walls of the house has a first opening and at least a first one flap extending from a lower portion of the wall. The flap extending from the house has a pair of hook and loop fasteners thereon. The **inflatable** tunnel has at least two arched tubes erected from and affixed to a bottom wall. A first arched tube defines a first opening and a second arched tube defines a second opening. The tunnel includes a flap extending substantially along the width of the bottom wall. The flap has a pair of hook and loop fasteners aligned with corresponding hook and loop fasteners of the house to releasably couple in a near vicinity the house and the tunnel. This enables a plurality of house and tunnel elements to be joined to create a continuous enclosure in a wide variety of configurations.

ABSTRACT WORD COUNT: 215

NOTE: Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200128	1394
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SPEC A	(English)	200128	3880
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Total word count - document A	5274
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Total word count - document B	0
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Total word count - documents A + B	5274
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...CLAIMS play structure of claim 1, wherein the second structure is an **inflatable** tunnel.

4. The **inflatable** play structure of claim 2, wherein the house includes two side walls and front and rear walls which are connected together to form a continuous wall and support tubes placed at each corner of the two side walls and front and rear walls.

5. The **inflatable** play structure of claim 4, wherein the side wall of the...  
...play structure of claim 2, wherein the second structure is an **inflatable** tunnel.

12. The **inflatable** play structure of claim 11, wherein the house includes two side walls and front and rear walls which are connected to together to form a continuous wall and support tubes placed at each corner of the two side walls and front and rear walls and the side wall of the house defining the first opening has the flap...

...play structure of claim 15, wherein the second structure is an **inflatable** tunnel.

19. The **inflatable** play structure of claim 17, wherein the house includes two side walls and front and rear walls which are connected together to form a continuous wall and support tubes placed at each corner of the two side walls and front and rear walls...

14/3,AB,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01078843

An **inflatable** flying toy

Aufblasbares Flugspielzeug

Jouet volant gonflable

PATENT ASSIGNEE:

Chen, David, (2722690), No. 140, Hsin-Ma Rd., Suao Town, Ilan County, (TW), (Applicant designated States: all)

INVENTOR:

Chen, David, No. 140, Hsin-Ma Rd., Suao Town, Ilan County, (TW)

LEGAL REPRESENTATIVE:

Kador & Partner (100211), Corneliusstrasse 15, 80469 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 948981 A2 991013 (Basic)  
EP 948981 A3 010321  
APPLICATION (CC, No, Date): EP 99106886 990407;  
PRIORITY (CC, No, Date): CN 98203214 980408; CN 98225470 981028  
DESIGNATED STATES: FR; GB; IT; NL  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: A63H-027/08 ; A63H-027/00  
ABSTRACT EP 948981 A2

An **inflatable** flying **toy** made of plastic membrane. The flying **toy** is formed with several **inflatable** air passages communicated with each other. After **inflated**, the air passages are expanded to serve as a support frame for stretching and supporting the flying **toy** into a kite form. At predetermined positions of the air passages are disposed latch holes or wing holes connecting with a hook injection member or tied with a pull string. The hook injection member can be hooked with a catapult which is able to resiliently inject the flying **toy** as a glider. A pull string can be tied with the flying **toy** to control the flying or floating direction of the kite by pulling.

ABSTRACT WORD COUNT: 117

NOTE: Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9941	662
SPEC A	(English)	9941	909
Total word count - document A			1571
Total word count - document B			0
Total word count - documents A + B			1571

CLAIMS 1. An **inflatable** flying **toy** made of plastic membrane, at a reinforced position of the flying **toy**, **inflatable** air passages...  
...flying **toy**, the hook injection member being disposed with latch sections each having a latch cap corresponding to the latch hole for latching therewith.  
2. An **inflatable** flying **toy** as claimed...  
...portions of the flying **toy** are made of single layer of plastic membrane.  
3. An **inflatable** flying **toy** as claimed in claim 1, wherein the latch cap is passed through the latch hole and fastened by a buckle to lock the hook injection member with the flying **toy**.  
4. An **inflatable** flying **toy** as claimed in claim 2, wherein the latch cap is passed through the latch hole and fastened by a buckle to lock the hook...  
...the hook injection member is disposed with a hook for hooking a catapult.  
7. An **inflatable** flying **toy** as claimed in claim 1, wherein the latch cap is slightly larger than the latch hole...

14/3,AB,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00044400

An **inflatable** throwing **toy**.

Aufblasbare Wurfscheibe.

Jouet a lancer gonflable.

PATENT ASSIGNEE:



Wang, Cheng-Chung, (451250), Tun Hwa South Road No. 610 Rm 1001, Taipei, (TW), (applicant designated states: AT;BE;CH;DE;FR;IT;LI;NL;SE)

INVENTOR:

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Wang, Cheng-Chung, Tun Hwa South Rd. No. 610 Rm 1001, Taipei, (TW)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 50820 A1 820505 (Basic)

EP 50820 B1 880323

APPLICATION (CC, No, Date): EP 81108524 811020;

PRIORITY (CC, No, Date): US 199868 801023; GB 8109672 810327

DESIGNATED STATES: AT; BE; CH; DE; FR; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: A63H-033/18

ABSTRACT EP 50820 A1

An inflatable throwing toy.

An inflatable throwing toy (10, 30, 50, 60, 70) made of air impervious sheet material comprises an inflatable ring (11, 31, 56) having an inflating valve (19, 36, 38) located thereon and being comprised of a bottom and a top section (13, 33), (12, 32) joined at their outer and inner peripheries (14, 34), (15 and two or more disc sections with at least a first disc section (17, 37, 53) of which being attached to the top section (12, 32) of the inflatable ring (11, 31, 56) and a second disc section (18, 39, 54) being attached to the first disc section (17, 37, 53) or the inflatable ring (11, 31, 56) forming an inflatable enclosure (20, 41, 51, 52) with the first disc section (17, 37, 53) with an inflating means (21) located on a part of the inflatable enclosure (20, 41, 51, 52). The inflatable throwing toy (10, 30, 50, 60, 70) may have a cylindrical gusset (35) made of air impervious sheet material joining the top section (12, 32) and the bottom section (13, 33) of the inflatable ring (11, 31, 56) at the inner periphery (15 and there being a third disc section (40, 61) extending from the bottom section (13, 33) of the inflatable ring (11, 31, 56). When the third disc section (40, 61) is used, the second disc section (18, 39, 54) is an extension of the top section (12, 32) of the inflatable ring (11, 31, 56).

ABSTRACT WORD COUNT: 252

LANGUAGE (Publication,Procedural,Application): English; English; English

INTERNATIONAL PATENT CLASS: A63H-033/18

18/6/1 (Item 1 from file: 348)

01106356

Formable balloon stick with concealing cup

18/6/2 (Item 2 from file: 348)

00919682

Sorting balloons

18/6/3 (Item 3 from file: 348)

00891845

A METHOD AND APPARATUS FOR SECURING A RIBBON TO A BALLOON

18/6/5 (Item 5 from file: 348)

00645309

IMPROVEMENTS RELATING TO BALLOONS

18/6/9 (Item 9 from file: 348)

00194715

ADDITIONAL DEVICE FOR **INFLATABLE** GAS BALLOON.

18/6/10 (Item 1 from file: 349)  
00981676 \*\*Image available\*\*

**INFLATABLE** ARTICLES WITH SELF-CONTAINED **INFLATION** MECHANISM

18/6/13 (Item 4 from file: 349)  
00880171 \*\*Image available\*\*  
BALLOON SUSPENSION DEVICE

18/6/15 (Item 6 from file: 349)  
00730105 \*\*Image available\*\*  
THIN RUBBER BALLOON

18/6/17 (Item 8 from file: 349)  
00540405 \*\*Image available\*\*  
CONTAINERS SHAPED AS **TOYS**

18/6/18 (Item 9 from file: 349)  
00509635 \*\*Image available\*\*  
DECORATIVE ILLUMINATED BALLOONS

18/6/20 (Item 11 from file: 349)  
00394908 \*\*Image available\*\*  
A METHOD AND APPARATUS FOR SECURING A RIBBON TO A BALLOON

18/6/21 (Item 12 from file: 349)  
00375486 \*\*Image available\*\*  
BALLOON DISPLAYS

18/6/23 (Item 14 from file: 349)  
00268616 \*\*Image available\*\*  
IMPROVEMENTS RELATING TO BALLOONS

18/6/26 (Item 17 from file: 349)  
00149580 \*\*Image available\*\*  
CLOSURE HEAD FOR **INFLATABLE** GAS BALLOONS

18/6/27 (Item 18 from file: 349)  
00130067  
ADDITIONAL DEVICE FOR **INFLATABLE** GAS BALLOON

18/3,AB/4 (Item 4 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00659140

**INFLATABLE** KITE ARRANGEMENT AND LAUNCHER  
AUFBLASBARER DRACHEN UND STARTVORRICHTUNG  
CERF-VOLANT GONFLABLE ET DISPOSITIF DE LANCEMENT  
PATENT ASSIGNEE:

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INVENTOR:

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GU5 9JG, (GB)

HANNING, Bernard, William, 138 Hicks Avenue Greenford, Middlesex UB6 8HB,

(GB)  
LEGAL REPRESENTATIVE:  
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PATENT (CC, No, Kind, Date): EP 695207 A1 960207 (Basic)  
EP 695207 B1 970312  
WO 9423812 941027  
APPLICATION (CC, No, Date): EP 94911242 940330; WO 94GB672 940330  
PRIORITY (CC, No, Date): GB 9307184 930406  
DESIGNATED STATES: DE; ES; FR; GB; IT  
INTERNATIONAL PATENT CLASS: A63H-027/08 ; B64C-031/06  
NOTE: No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:  
Available Text Language Update Word Count  
CLAIMS B (English) EPAB97 258  
CLAIMS B (German) EPAB97 249  
CLAIMS B (French) EPAB97 292  
SPEC B (English) EPAB97 2073  
Total word count - document A 0  
Total word count - document B 2872  
Total word count - documents A + B 2872

18/3,AB/6 (Item 6 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.  
00386483  
Remote control mylar **toy** aircraft.  
Ferngesteuertes Mylar-Spielluftfahrzeug.  
Aeronef-jouet en mylar commande a distance.  
PATENT ASSIGNEE:  
Huang, San Yu, (1190680), 2 Lane 164, Pai-Lin 5th Road, Pei-Tou, Taipei,  
(TW), (applicant designated states: DE;FR;GB;IT;NL;SE)  
INVENTOR:  
Huang, San Yu, 2 Lane 164, Pai-Lin 5th Road, Pei-Tou, Taipei, (TW)  
LEGAL REPRESENTATIVE:  
Helms, Joachim, Dipl.-Ing. , Bothmerstrasse 14, D-8000 Munchen 19, (DE)  
PATENT (CC, No, Kind, Date): EP 380071 A1 900801 (Basic)  
APPLICATION (CC, No, Date): EP 90101374 900124;  
PRIORITY (CC, No, Date): US 302441 890126  
DESIGNATED STATES: DE; FR; GB; IT; NL; SE  
INTERNATIONAL PATENT CLASS: A63H-027/10  
ABSTRACT EP 380071 A1

The present invention relates to a remote control mylar **toy** aircraft and, more particularly to an **inflatable** mylar **toy** aircraft comprises a remote receiver (3) to control two motors (36), fitted with balance weights (38) and a suspending balance strip (4). After having been **inflated**, the mylar **toy** aircraft is remote controlled to fly forward or backward, or to turn aside, or to move upward or downward. When the mylar **toy** aircraft stands still in the air at a certain height from the ground, it is controlled by the balance strip (4) to prevent from dropping to the ground or flying away. By means of relatively rise and fall adjustment between the balance weights (38) and the balance strip (4), the flying height of the mylar **toy** aircraft is properly adjusted.

ABSTRACT WORD COUNT: 135  
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	241
SPEC A	(English)	EPABF1	1057
Total word count - document A			1298
Total word count - document B			0
Total word count - documents A + B			1298

18/3,AB/7 (Item 7 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.  
00348791

Kite.

Lenkdrachen.

Cerf-volant.

PATENT ASSIGNEE:

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INVENTOR:

Schimmelpfennig, Wolfgang, Katnerweg 28, W-2000 Hamburg 65, (DE)

LEGAL REPRESENTATIVE:

Schulmeyer, Karl-Heinz, Dr. (10721), Kieler Strasse 59a, W-2087 Hasloh,  
(DE)

PATENT (CC, No, Kind, Date): EP 358000 A2 900314 (Basic)  
EP 358000 A3 910605  
EP 358000 B1 921014

APPLICATION (CC, No, Date): EP 89114992 890814;

PRIORITY (CC, No, Date): DE 8811274 880907

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: A63H-027/08

ABSTRACT EP 358000 A2 (Translated)

The curve form, which is important for the flight characteristics, above all of the front edge 7 of the air - filled airfoil (1, 2) of a toy/sport kite, which is steerable from the ground, is maintained without any reinforcement exclusively by coordination of the different lengths of the balance lines 4a, 4b and so on of two bundles of lines (compound balances) which are arranged symmetrically to one another and which run from the end points (5) of at least two control lines (6) in the form of rays and - possibly via intermediate fastenings 14a, 14b and so on - engage at different points on the wing bottom (2), more precisely especially in the front region of the airfoil. The rear region, which is free of such engagement points, accounts for at least 50%, preferably 75 to 80% of the area of the airfoil. The lengths of the different balance lines 4a, 4b and so on preferably increase from the side edges towards the centre, the increase in length itself being able, at least in regions, to both increase and decrease or remain constant.

On the front edge (7) of the airfoil, air inlet openings (8) are arranged in known manner, through which, when in action, air flows into the chambers (9) which possibly are also in pressure compensation with one another, in known manner, by means of openings (16) in the chamber edges (10).

TRANSLATED ABSTRACT WORD COUNT: 238

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(German)	EPABF1	358

SPEC B (German) EPABF1 993  
Total word count - document A 0  
Total word count - document B 1351  
Total word count - documents A + B 1351

18/3,AB/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00210202

**Inflatable airfoil.**

Aufblasbare Flugelflache.

Profil aerodynamique gonflable.

**PATENT ASSIGNEE:**

Cameron, Robert W., (804850), 7725 115th Place N.E., Kirkland Washington  
98033, (US), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

**INVENTOR:**

Cameron, Robert W., 7725 115th Place N.E., Kirkland Washington 98033, (US)

**LEGAL REPRESENTATIVE:**

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner ,  
Maximilianstrasse 58, D-8000 Munchen 22, (DE)

PATENT (CC, No, Kind, Date): EP 222263 A1 870520 (Basic)

APPLICATION (CC, No, Date): EP 86115047 861029;

PRIORITY (CC, No, Date): US 792543 851029

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: B64B-001/50; B64C-031/06; A63H-027/08

ABSTRACT EP 222263 A1

**Inflatable airfoil.**

A non-rigid, gas **inflatable** airfoil (10) having a bulbous **inflatable** forward body and three spaced-apart rearwardly extending **inflatable** tails (16). The tails are attached to the rearward portion of the body and form with the body a single **inflatable** chamber. The central tail is yieldably biased into an upwardly inclined position, and a pair of sheets (18) extend between the tails. The airfoil has a generally delta shape and provides a positive lift when exposed to wind. The airfoil is connected to a single tie down line by a single attachment member and swivel attached to a central portion of the underside of the body. The body and tails have sufficient interior gas containing volume that when filled with a lighter-than-air gas will offset the weight of the airfoil. The bulbous body contains enough lighter-than-air gas that the airfoil assumes a vertical orientation with the body above the tail when in the water or in the air without wind. The body exits the water first and assists in pulling the tails free of the water to allow the airfoil to be **inflated** underwater and overcome the adhesive force and the weight of the water on the airfoil to allow it to fully exit the water without assistance.

ABSTRACT WORD COUNT: 211

LANGUAGE (Publication,Procedural,Application): English; English; English

18/3,AB/11 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00980267

INTERLOCKING BALLOONS

BALLONS ACCOUPLES

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, US (Nationality)  
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Louis, MO 63101-1693, US,  
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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
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(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 5529  
English Abstract

An **inflatable** article (10) comprises a primary **inflatable** portion(12) and at least one **inflatable** extension connected to the primary **inflatable** portion (12). The **inflatable** extension (14, 16) has a generally hook-shaped configuration adapted for interlocking engagement with a generally hook-shaped **inflatable** extension of another similar **inflatable** article in a manner to removably interlock the articles with one another when the articles are substantially **inflated**.

18/3,AB/19 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00506020  
MODEL AIRPLANE  
MODELE REDUIT D'AVION  
Patent Applicant/Assignee:  
BOUCHER Rene,  
Inventor(s):  
BOUCHER Rene,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9937372 A1 19990729  
Application: WO 99CA32 19990119 (PCT/WO CA9900032)  
Priority Application: US 9871845 19980120  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
GA GN GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 3025  
English Abstract

A model airplane comprises a frame, an engine assembly mounted to the

frame, at least one **inflatable** wing mounted to the frame, a plurality of movable flaps supported by the frame, and a control mounted to the frame to facilitate airplane operation. The various components are readily broken down or assembled together to form an airplane kit that is modular in nature and can be stored in a container and readily and compactly transported to a site for takeoff and landing. The control device can include remote control, and the frame has load carrying capacity for transporting loads or dropping/releasing loads at desired locations.

18/3,AB/22 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00275636

**INFLATABLE KITE ARRANGEMENT AND LAUNCHER**  
CERF-VOLANT GONFLABLE ET DISPOSITIF DE LANCEMENT

Patent Applicant/Assignee:

SKYSTREME U K LIMITED,  
PASCOE Vernon George,  
HANNING Bernard William,

Inventor(s):

PASCOE Vernon George,  
HANNING Bernard William,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9423812 A2 19941027

Application: WO 94GB672 19940330 (PCT/WO GB9400672)

Priority Application: GB 937184 19930406

Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KG KP  
KR KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US  
UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 2684

English Abstract

An **inflatable** kite (150) comprises a plurality of longitudinal **inflatable** tubes (54) and a transverse **inflatable** tube (53) at the rear end, and when the kite is **inflated**, the front end has a larger cross-sectional area than the rear end. When **inflated** the rear edge and side edges are co-planar. Air vents (57, 157) are provided. The kite may be **inflated** and launched manually or by an automatic launcher (20).



21 Users (0 in Chat) es-sence (es'uhns) the basic, real and invariable nature

## ESSENCE'S MODEL ROCKETRY REVIEWS

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## Estes - The Dude

P.O. Box 227, 1295 H Street, Penrose, CO 81240  
(719) 372-6565

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ESSENCE'S MODEL ROCKETRY REVIEWS				
CONSTRUCTION	1	2	3	4
FLIGHT/RECOVERY	1	2	3	4
OVERALL	1	2	3	4

(Contributed - by Joe Cacciatore)

**Brief:**

This is sure a strange rocket. It is 7.5' tall and uses a balloon for the body of the rocket! Fins and an engine mount are attached to the balloon which uses an 11' parachute for recovery. It flies only on a D12-3 engine. The whole thing weighs about 10 ozs.

It costs \$19.97 at Walmart and that includes a launch pad and controller! The launch pad is just a plastic stake that you stick in the ground with a three piece rod that screws together (almost like the Aerotech Mantis rod but slightly smaller diameter) and a large 10.5" blast deflector. The controller is a standard Electron Beam.

I don't think the rod is very good and it bent a lot with the weight of the rocket and with a small breeze.

**Construction:**

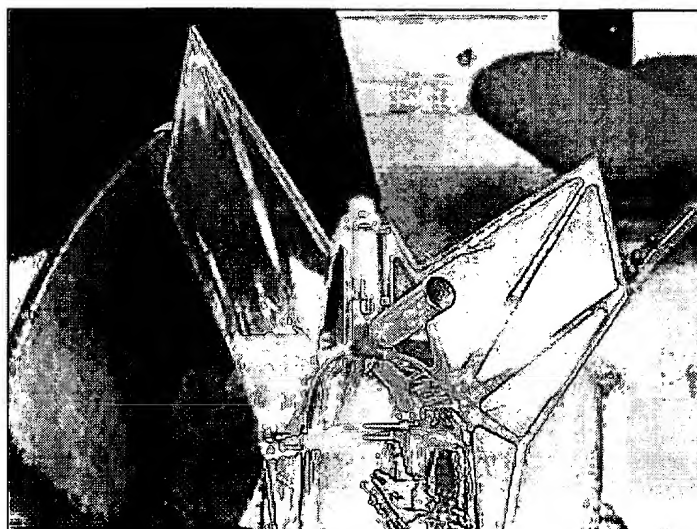
The huge body is one large silver mylar type balloon, similar to the silvery party balloons that have become popular in recent years. The fins and motor mount are attached to a plastic sub-structure which the bottom of the balloon fits in. The plastic structure is glued together using airplane glue. The balloon is inserted into the structure and taped to it.





At the top of the rocket (actually 18" down) is the nose ring and it has the weights which are required to properly set the CG. The ring is already pre-assembled and is held in place by tape. The plastic fin/motor mount assembly takes about an hour to put together and most of that time waiting for the glue to dry.

The fins consist of a plastic frame and a sheet of mylar glued to it. They are already assembled.



The motor mount is plastic and houses a D12-3. There is a retaining plastic cap that holds the motor in place. At the top of the motor mount is a rigid plastic pipe and a cardboard tube which sticks out from the side of the rocket. Wadding and parachute are in there. The motor mount angle tube/cardboard tube assembly is already put together for you along with the chute.

From the nose ring or attached a fishing line which drapes down along the outside of the rocket and is attached to the chute.

Estes gives you a straw to blow up the balloon. I used helium instead which has been stated on the Newsgroups to lighten up the rocket by It blows up fast. But after 2 days it was getting limp as the air was let out of it.

The launch lugs are attached to the balloon using tape. The tape is strong.

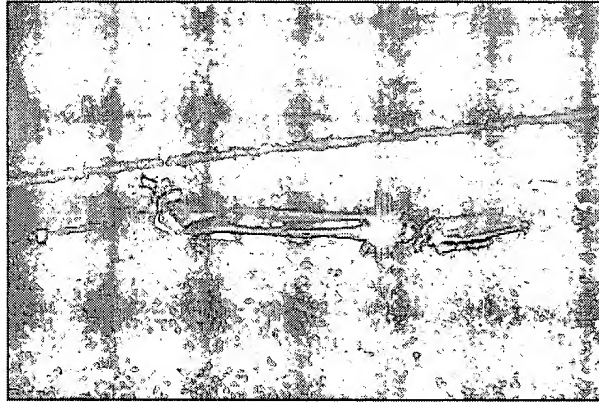
The instructions are typical Estes with pictures and words in English and French. The whole thing goes together really fast. There is one thing to watch out for. You are instructed to insert these 3 plastic ring supports into the body ring using one drop of glue. Be careful here. If you use too much glue and clog up the rectangular opening, you won't be able to insert the motor assembly tabs later on.

Also, one other point which isn't clear is they say position the nose ring 18" from the tip of the rocket. But it isn't clear if you measure 18" to the bottom of the nose ring. The ring itself is about 1". I don't think it is.

The whole assembled rocket is kind of flimsy with a lot of flex in the fins.

**Finishing:**

There are no decals supplied and no painting is required. You just assemble the rocket and fly!

**Construction Rating: 4 out of 5****Flight:**

The only recommended engine D12-3 which puts it up about 300 feet. There is a plastic cap which twists onto the motor tube to hold the engine in place. Estes recommends tapping the launch rod 19" up from the blast deflector. They don't say why but it is to hold the rocket high enough off the launch rod. There was a light breeze and with the flimsy launch rod and the large

area of the rocket, the rocket was very tilted on the pad. It was impossible for me to get the rocket to stand up straight! That 3 piece rod bends. But because it was still safely aimed and because of the large field, I was okay anyway.

**Recovery:**

On the first flight it went straight up, slowly, arched over and finally the parachute came out. Although the 11" chute seems small, it brought it down what looked like a good landing on grass. The fins, which hit first, reflexed a lot and I thought maybe were broken. When I got to the rocket the fins were fine but the rocket was almost deflated. The top part of the balloon when it hit the ground, got 3 small cuts in the balloon which quickly let the air out. Not having any scotch tape to repair, I had to call it quits. I think many people will have problems with the balloon contacting the ground getting small cuts. Perhaps a larger chute would help.

On the second flight I removed the tape wrapped on the rod at 19" because I felt it was holding the rocket too far up on the rod, causing the rod to bend even more than what it could handle. And I still could not get the rocket aimed the way I wanted because of the bending rod and wind. Removing the tape was a mistake. Because on the second flight with the engine almost sitting on the deflector, the engine blast deflected off the deflector and hit AND MELTED the launch rod. Even before the rocket cleared the rod, the rocket was deflated enough



make it go out of control and crash right near the pad. I have a video on my site (click button above or below) on the rocket video page. Attached see a picture of the bottom of the rocket with the melted holes.

**Flight Rating:** 3 out of 5

#### Summary:


This rocket gets a lot of attention where ever it goes. Its 7.5' tall and bright silver. It comes with a launch pad and controller for \$19.97 at Walmart. If you are like me and fly high power rockets and engines, 7.5' balloon rocket from Estes is more or less just for fun and ha ha's not a serious rocket but then again, it doesn't suppose to be.

**Pro:** Its big, its cheap, it flies good, it draws a crowd. It goes together quickly. It goes only about 300' so you can fly it almost anywhere. It with a launch pad and controller.

**Con:** It rips easy and the launch rod is too flexible.

**Overall Rating:** 3 out of 5

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 <b>EVERACE'S MODEL ROCKETRY REVIEWS</b>					
CONSTRUCTION	1	2	3	4	5
FLIGHT/RECOVERY	1	2	3	4	5
OVERALL	1	2	3	4	5

(Contributed - by Les Bradshaw)

#### Brief:

This rocket goes back to the time when the body of a rocket was so t could not support its own weight. The rockets relied on the pressurized the fuel to keep them from collapsing. The Dude has a fin/motor mount and then a chrome covered nylon "balloon" that is inflated for the balloon nose.

#### Construction:

There are no body tubes. A simple plastic cage consisting of 2 rings and supports get glued together with plastic cement. The Dude comes with a pre-assembled motor mount. This motor mount slides onto the fins and is glued in place. This motor mount/fin assembly is then glued to the cage.

The instructions were simple to follow. All you need for supplies is plastic cement. There actually is very little construction required. I did need a bit of trimming where the cage and motor mount/fin assembly joined the balloon, the unit is not very sturdy. The balloon attaches to the cage with tape. The launch lugs (2) are taped to the side of the balloon. There is a ring that is weighted to ensure the stability. This ring is just taped to the balloon. A line runs from this ring down to the motor mount. There is

parachute that ties to this string. It is ejected out the side from the n mount.

#### Finishing:

No finishing is required. The chromed balloon looks cool as is.

**Construction Rating:** 5 out of 5

#### Flight:

The only recommended motor is the D12-3. The motor easily slides in mount. There is a twist ring to hold the motor in place. Wadding is re to protect the parachute. I feel there is a problem with launching this First, it comes with a "launch pad" that is a stake you are supposed to into the ground. Good luck if you have hard or rocky soil. Also, the instructions do state launch with little or no wind. Since the balloon is wide and tall, yet light weight, it catches the wind very easily. I tried in 5 mph winds with 10 mph gusts. During one gust the rocket leaned and the top of the stake that holds the rod broke off. I ended up just the rod directly into the ground. The rocket stayed upright during the In fact, instead of weather cocking, it sort of went side-ways with the It is a very sloooww flying rocket.

#### Recovery:

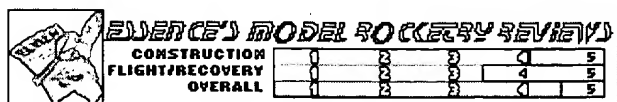
As I indicated earlier, the parachute is located at the bottom in the r mount. It is ejected sideways, then moves to the top by the string at to the top ring. The parachute causes the rocket to drift down horizon instead of making a nose-down ballistic flight. Again, due to how ligh rocket is compared to its size, it will drift far in the wind.

**Flight Rating:** 3 ½ out of 5

#### Summary:

This is a cool looking rocket and does impress the people watching. However, there are several problems. Don't try flying if there is any The launch pad is useless. Unfortunately, the rocket uses a 1/4" rod : standard Estes launch pad can't handle it. I would try to find another hold the rod instead of the stake (unless you are launching at a beac flown the rocket twice, and I two places where the seam of the ballo go. A little clear packing tape fixed that problem.

**Overall Rating:** 3 out of 5



(Contributed - by Victor R Gigante-Hueber)

**Brief:**

This is an interesting rocket from Estes. It is basically just a plastic fin canister with a large Mylar balloon on the front. It comes with a launch pad and a launch controller and can be ready to fly in a few hours.

**Construction:**

This rocket comes packaged with its launch pad and controller in a very brightly colored box. The rocket's parts are bagged and the launch set is taped to a piece of cardboard. The instructions are very concise and have drawings of the assembly and launch prep next to the text. Both the box and instructions are printed in English and French. The three fins are made of a plastic framework with Mylar glued to it. The motor mount is a 24mm plastic tube with a bend in it and a paper tube inserted into the bend. This comes with a locking ring to hold the motor in. The balloon is Mylar and about six feet long. The balloon replaces a conventional body tube, and is very simple to inflate. The motor mount slides together and is glued in place, then they attach to the balloon via a plastic framework (which is glued together and then to the fins), and tape. The launch lugs are plastic and tape on aligned with the balloon's seam. The parachute is 12" diameter and attaches to a long thread which resembles fishing line, but thicker. This attaches to a ring which is taped to the balloon at the top. The parachute is deployed from the paper tube attached to the motor mount.

The instructions are very simple and easy to follow, and the pictures are helpful. The fin-motor mount assembly is simple, but the canister that attaches to the balloon kept coming apart when I tried to slide it in place, even after I let it dry overnight. The balloon blows up with a straw and is fairly simple to inflate, if you follow the instructions. The launch lugs are simple and require more than one person to attach. The upper ring also tapes on and also requires more than one person to attach. The nylon "shock cord" is difficult to tie in the proper loop, especially because it's wrapped around a piece of card stock when you get it and has a tendency to try and re-wrap itself. The parachute comes pre-assembled and is fairly easy to tie on, or you have the nylon cord tied together. All-in-all, I agree with Estes' decision to give it a Skill Level 2 rating.

**Finishing:**

The fin canister parts are of a molded red plastic which requires no finishing. The fins themselves are molded as well, with Mylar pre-attached. The motor mount is molded red plastic, with a white tube which you could probably paint if you wanted to. The balloon, obviously, requires no finishing, just metallic Mylar. Really this rocket requires no finishing whatsoever.

**Construction Rating:** 4 out of 5

**Flight:**

One word of caution before I go on. The Electron Beam launch controller comes with The Dude has the safety key tied to the controller. Do not remove it so you can keep it separate. I could have gotten my finger burned off because, on launch day, one of my non-rocketeer friends picked up the controller and said, "How do you launch this thing? Just press button?" I proceeded to tell him that he couldn't launch yet because I hadn't taken the above precaution and had the key with me. Thank you, and with the review!

This rocket has only one recommended motor which is one of the Estes "Mighty D" series, the D12-3. This gives a very low flight, maybe 200 feet if you're lucky. Launch day was clear with a light breeze blowing. These are actually decent conditions for this rocket if you have people to help. Setting up for launch is supposedly very simple if you do it right. I, unfortunately, tried to pound in the stake that comes with the pad using a hammer. This resulted in the holder for the launch rod breaking off. I pounded the rod into the ground and then slid the blast deflector over.

Prepping for flight was simple. First I put the recovery wadding into the tube as recommended, and then I folded the parachute, wrapped the ends once, and stuffed it in on top of the wadding. I then deviated from the instructions again and put the motor into the retainer ring, and then the igniter and plug. I then put the motor into the mount, having some difficulty fitting the top past the mouth of the mount, and locked the ring again having difficulty because the ring did not slide into position well. Getting the rocket was very difficult to get on the pad because of a light breeze blowing (I had decided once again to go against the instructions and launch anyway). I didn't have any tape, so I decided to do without. Once it was on the pad, it blew around a little, so I had one of my friends hold it in place while I hooked up the micro clips. I then backed up to the launch controller and had everybody stand behind me. When we were safely positioned, we proceeded with the countdown and launched.

The rocket lifted off the pad, turned slightly into the wind, and climbed. When the motor burned out, the rocket hovered for a moment at burnout and then started to drop just as the ejection charge fired. The chute took a moment to deploy, but was safely open when the rocket had reached half of the distance to the ground. The rocket hit hard and bounced once on its back and then flopped over. After we recovered it, we flew two other rockets, but the "big one" held the most interest. By the time we had it prepped again, the rocket had lost pressure so we re-inflated it and took it out to the pad. We re-inflated it once more on the pad and could find no leaks, so we were ready to go.

The second flight went much the same way as the first, but when we

rocket back, the pressure was low again, so we decided to pack up and go home. All-in-all, this rocket is fun to fly, but very difficult to hold still in a breeze. Also, the impact of recovery seemed to damage the balloon. I haven't found the leak, so it must have been the stress of the hard impact creating pinhole leaks in the balloon. Another problem I noticed is the occurrence of minor charring on the tube the recovery system fits into. I haven't figured out what causes this either. Look out for those if you fly this rocket.

#### Recovery:

The recovery system is very simple to assemble on this rocket. All you do is slip the upper ring on and tape it in place with the included tape, then extend the nylon cord which is molded into the ring itself, and tie the assembled chute in place. Recovery itself is another matter. There is a tube that leads out the side from the motor mount, and the chute goes there. When the ejection charge activates, it blows the chute out into the open air. The chute then swings away from the rocket and deploys. The nylon cord is there just to connect the chute to the rocket. The chute is a bit small for the rocket's weight, and the rocket hits hard. The fins are rubber but I wouldn't trust them for too many flights. Also, the balloon is easily damaged by the impact. It deflated rapidly on me after hitting the ground. It might be a good idea to replace the stock chute with an 18" or even a 24" one.

**Flight Rating:** 3 1/2 out of 5

#### Summary:

This rocket is fun to fly, even in a light breeze. I like the idea of a ball rocket, but it needs a slightly stronger balloon. It's fairly simple to build, but some parts could be a little tighter or a little looser. The fact that it doesn't need finishing is a plus. Another plus is that this rocket can be flown in small fields. It needs a bigger parachute, the 12" chute doesn't cut it. The class motor is cool, though. If somebody could devise a better launch system, that would be good. Overall, I'd recommend this rocket because it's the kind of thing that makes people go "wow".

**Overall Rating:** 4 1/2 out of 5



#### GUEST's OPINION:

08/03 - "I think this is a good rocket. I'm probably not going to fly it because Estes just discontinued it. :(" (J.R.)

#### GUEST's OPINION:

07/02 - "I got a DUDE! for Christmas in 2001, and just got a chance to fly it this morning. I decided to use a Aerotech F12, as I didn't think the D12 would do. I had to tightly secure the RMS case into the DUDE! motor mount. There was no wind so it flew nice, straight high on a pillar of black smoke. Everyone at the launch was laughing at the sight of a metallic Hindenburg floating back to the ground. I flew it once more, and the recovery resulted in a pin hole. The DUDE! is dead for now. If you have a DUDE!, I would suggest you fly it soon." (J.R.)

least one flight on an F12. Make sure you use the parachute! We wouldn't want an getting hurt...." (T.A.M)

#### GUEST's OPINION:

07/02 - "I have to respectfully disagree with the negative comments entered so far "The Dude". First of all, it's not an ordinary rocket. If the wind is blowing, don't fly windless, or nearly so, conditions the supplied rod/deflector works fine. This rocket is a real attention grabber as well. Be careful packing the chute, if it fully deploys the rocket will descend near horizontally rather than one end hitting the ground first absorbing all the impact. I hear leaks can easily be fixed with clear tape, I have had leaks as of yet so I can't vouch for that personally. I also hear that Estes will send "balloon" if you call the number listed in the instructions. Very impressive, fun to fly (especially for kids) rocket when used as intended. " (C.T.)

#### GUEST's OPINION:

03/02 - "I just bought this rocket on Ebay last night, (it hasn't got here yet) and it is like I'm gonna have to buy the Estes E-pad anyway. I saw the E-pad just yesterday at a hobby store, it also has a 1/4 in. rod. What the heck were the Estes people thinking they manufactured this one?! The rocket itself seems pretty okay, but how did they make that crappy little rod and plate was good enough for a launch pad. Well, if Estes is going to monopolize this by making us have to buy the e-pad to safely launch this, I think they should join Microsoft! ;-)" ( )

#### GUEST's OPINION:

10/01 - "If this is an example of what we get when Estes design people "think outside the box", I suggest we find the lid and a good, strong lock. Thanks, but no thanks. Wait, you see one on deep closeout at Wal-Mart before you lay out any cash for one." (B)

#### GUEST's OPINION:

10/01 - "I think Estes should've called this one "The Dud" instead. Quite a bit of cash for a rocket that only flies once and then melts. Might as well just make a rocket out of snow and cram a D12-3 into that!" (KRJ)

#### GUEST's OPINION:

10/01 - "These reviews are right on the money. I highly agree that the stake and rod are virtually useless because they are. Mine bent like the palm trees that we have here in Southwest Florida. I have yet to fly mine because of this. I also agree that the assembly of the rocket is rather fragile. The controller was a nice addition because I really needed one. I would somewhat recommend this rocket or for another \$25, you could buy a reissue." (D.B.Jr)

Enter a Tip  
for this Rocket 

#### SPECIFIC ROCKET TIP:

07/02 - "A couple of ideas for finding leaks: 1. Inflate the balloon partially and submerge it in a bathtub. Look for the bubbles. 2. Take a bowl of water and put a healthy dose of dishsoap in it. Take a paintbrush and paint the mixture onto the inflated balloon. It should cause bubbles in the soapy mixture where a leak is occurring" (J.H. )

 Enter a  
Flight Log

There are 7 flight(s) in the EMRR Flight Log Database

Date	Name	Motor	Ejection	Wind	Notes
					- Another nice flight, posted video on my site, <a href="http://www.joecool.org/myrockets">www.joecool.org/myrockets</a>